

Product: COMPACT TRACK LOADER

Model: 239D COMPACT TRACK LOADER BL9

Configuration: 239D Compact Track Loader BL900001-UP (MACHINE) POWERED BY C2.2 Engine

## Disassembly and Assembly

### C2.2 Engines for Caterpillar Built Machines

Media Number -UENR4528-01

Publication Date -01/09/2015

Date Updated -23/01/2018

i06844080

## Cylinder Head - Remove - 4 Cylinder Engines

SMCS - 1100-011

### Removal Procedure

#### Start By:

- a. Remove the exhaust manifold. Refer to Disassembly and Assembly, "Exhaust Manifold - Remove and Install" for the correct procedure.
- b. Remove the fuel injectors. Refer to Disassembly and Assembly, "Fuel Injector - Remove" for the correct procedure.
- c. Remove the glow plugs. Refer to Disassembly and Assembly, "Glow Plugs- Remove and Install" for the correct procedure.
- d. Remove the rocker shaft and the pushrods. Refer to Disassembly and Assembly, "Rocker Shaft and Pushrod - Remove" for the correct procedure.
- e. Remove the water temperature regulator housing. Refer to Disassembly and Assembly, "Water Temperature Regulator Housing - Remove and Install" for the correct procedure.
- f. Remove the fuel manifold. Refer to Disassembly and Assembly, "Fuel Manifold (Rail) - Remove and Install" for the correct procedure.
- g. Remove the inlet manifold. Refer to Disassembly and Assembly, "Inlet Manifold - Remove and Install" for the correct procedure.

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#### NOTICE

**Keep all parts clean from contaminants.**

**Contaminants may cause rapid wear and shortened component life.**

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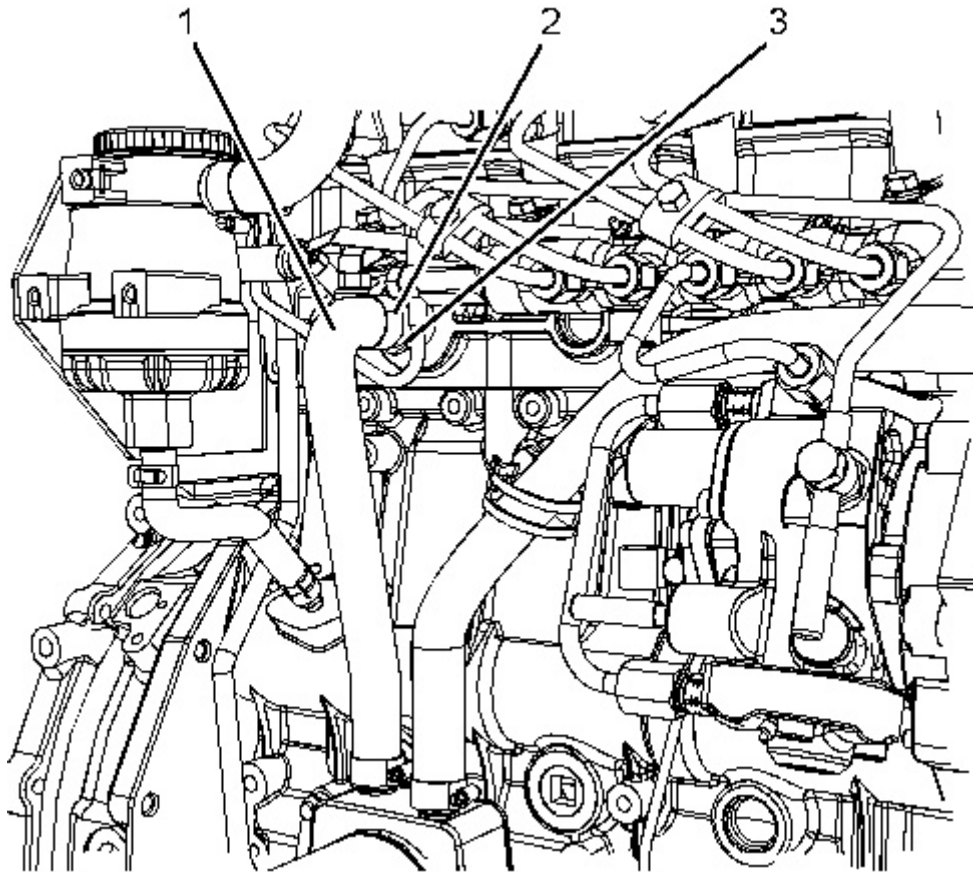
## NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Dispose of all fluids according to local regulations and mandates.

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1. Drain the coolant from the cooling system into a suitable container for storage or for disposal. Refer to Operation and Maintenance Manual, "Cooling System Coolant - Drain" for the correct draining procedure.
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Illustration 1

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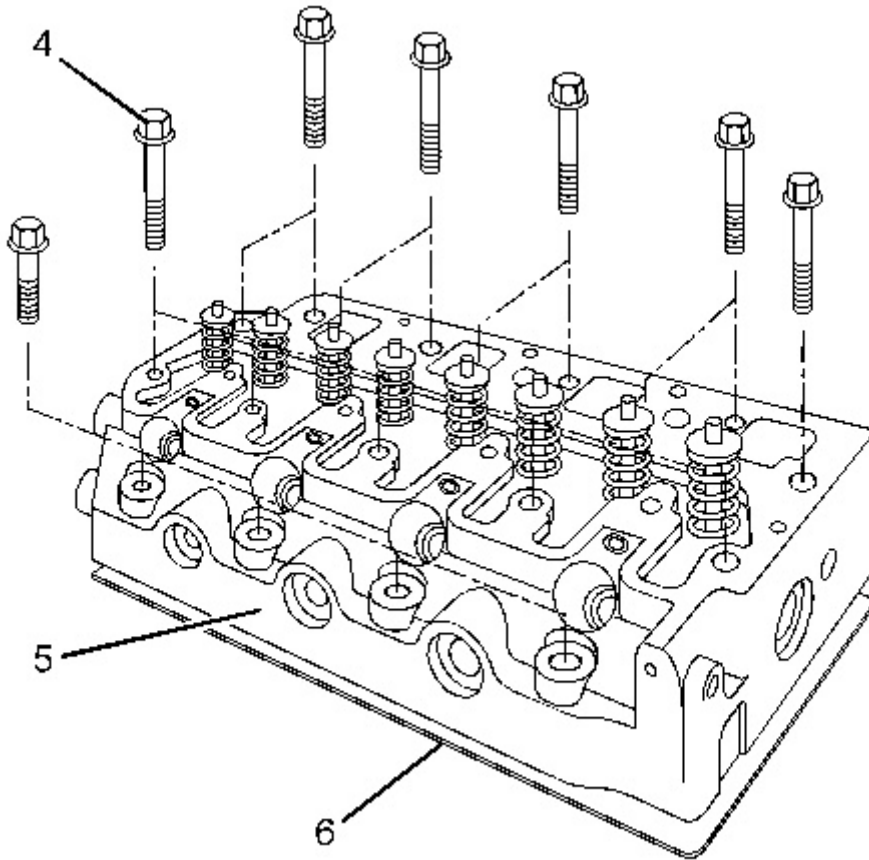


Illustration 2

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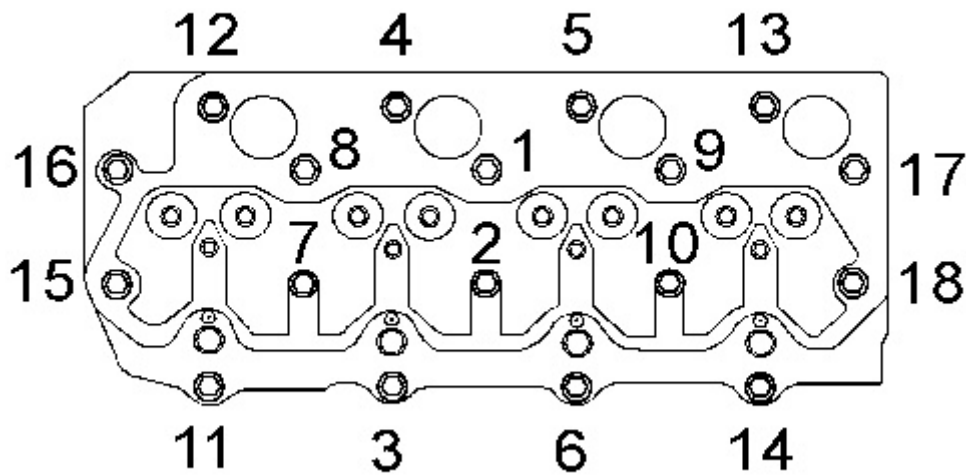


Illustration 3

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The cylinder head tightening sequence for four cylinder engines

2. Loosen hose clamp (2) and disconnect hose (1) from outlet (3).

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